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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,237	11/26/2001	Lasse Wesseltoft Mogensen	8465/20	1444

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GENERAL NUMBER 00757
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CHICAGO, IL 60611

EXAMINER	
RODRIGUEZ, CRIS LOIREN	
ART UNIT	**PAPER NUMBER**
3763	19

DATE MAILED: 03/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary	Application No.	Applicant(s)	
	09/995,237	MOGENSEN ET AL.	
	Examiner	Art Unit	
	Cris L. Rodriguez	3763	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Cris L. Rodriguez*. (3)*Heidi Dare*.

(2) *MIchael Chu*. (4)_____.

Date of Interview: *03 March 2004*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☒ Yes e)☐ No.
If Yes, brief description: *Proposed amendment attached.*.

Claim(s) discussed: *All in general*.

Identification of prior art discussed: *Safabash et al*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *The examiner suggested the use of "such that the insertion needle remains connected to the plunger when the plunger is in the retracted position " for claims 1 and 18. For claims 47 and 48, the examiner suggestes "in said advanced and retracted position"*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)
In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

BRINKS HOFER GILSON & LIONE

FACSIMILE COVER SHEET

Date: March 3, 2004

To: Examiner Cris Rodriguez
Fax No: 703-746-4847-18

From: Heidi Dare
Tel. No: 312-321-4809

Client No: 8465/20

No. of Pages
(inc. this page): 12

Confirmation Copy To Follow: Yes ☐ No ☒

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE, PLEASE CALL 312-321-4200 AND ASK FOR: Heidi

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Intellectual Property Attorneys

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San Jose, CA
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Ann Arbor, MI
Arlington, VA

COVER MESSAGE:

Please see attached claims for discussion today at 11 am EST.
Thank you.
Heidi

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1. (Currently Amended) An injector device ~~(10,110, 210)~~ for transcutaneously placing a hollow cannula ~~(26, 126, 226)~~ of a subcutaneous infusion set ~~(14, 114, 214)~~ through the skin of a patient, comprising:

a device housing ~~(28, 128, 228)~~ having an elongated bore formed therein;

a plunger ~~(30, 130, 230)~~ slidably received within the bore for movement between an advanced position and a retracted position, the plunger ~~(30, 130, 230)~~ having an insertion needle substantially non-detachably secured thereto ~~by a connection~~ such that the insertion needle remains connected to the plunger when ~~removing the infusion set~~ therefrom, ~~an~~ said insertion needle ~~(12, 112, 212)~~ for receiving and supporting the cannula ~~(26, 126, 226)~~ of said subcutaneous infusion set ~~(14, 114, 214)~~ in a position with the cannula ~~(26, 126, 226)~~ oriented for transcutaneous placement upon movement of the plunger ~~(30, 130, 230)~~ with said needle ~~(12, 112, 212)~~ from the retracted position to the advanced position,

the plunger is in the retracted position

a drive for urging the plunger ~~(30, 130, 230)~~ with a controlled force and speed from the retracted position toward the advanced position to transcutaneously place said cannula ~~(26, 126, 226)~~ of said subcutaneous infusion set ~~(14, 114, 214)~~ received on said insertion needle ~~(12, 112, 212)~~,

wherein the insertion needle ~~(12, 112, 212)~~ secured to said plunger ~~(30, 130, 230)~~ is removable from said cannula ~~(26, 126, 226)~~ while maintaining the transcutaneous placement of the cannula ~~(26, 126, 226)~~.

2. (Currently Amended) The injector device of claim 1, wherein the device housing ~~(28, 128, 228)~~ has a forward end defining a generally planar surface ~~(25, 125, 225)~~ for placement against the skin of a patient with the device housing ~~(28, 128, 228)~~ in a predetermined orientation relative to the patient's skin.

3. (Currently Amended) The injector device of claim 1, wherein a forward end ~~(12A, 112A, 212A)~~ of said insertion needle ~~(12, 112, 212)~~ opposite said plunger ~~(30, 130, 230)~~ is substantially retracted within the bore of the device housing ~~(28, 128, 228)~~ when the plunger ~~(30, 130, 230)~~ is in the retracted position.

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4. (Currently Amended) The injector device of claim 2, wherein the infusion set ~~(14, 114, 214)~~ comprises a tubing ~~(113)~~, said injector device including an annular space ~~(115)~~ between said device housing ~~(28, 1128, 228)~~ and said plunger ~~(30, 130, 230)~~ for accommodating said tubing ~~(113)~~.

5. (Original) The injector device of claim 1, further including a trigger for actuating the drive.

6. (Currently Amended) The injector device of claim 5, wherein the trigger includes a trigger actuator for fingertip depression to actuate the drive for movement of the plunger ~~(30, 130, 230)~~ from the retracted position to the advanced position.

7. (Currently Amended) The injector device of claim 5, wherein the trigger includes a lock ~~(58, 158, 258)~~ for releasably locking the plunger ~~(30, 130, 230)~~ in the retracted position.

8. (Currently Amended) The injector device of claim 1, wherein the device housing ~~(28, 128, 228)~~ and the plunger ~~(30, 130, 230)~~ include cooperatively engageable track means for guiding movement of the plunger ~~(30, 130, 230)~~ between the advanced and retracted positions.

9. (Currently Amended) The injector device of claim 1, wherein the insertion needle ~~(12, 112, 212)~~ is substantially incapable of delivering a fluid.

10. (Withdrawn) The injector device of claim 1, said [wherein the] plunger (30, 130, 230) having a head (32, 132, 232) with [further includes] a safety retainer for retaining the hollow cannula (26, 126, 226) on said insertion needle (12, 112, 212), the safety retainer permitting separation of the cannula (26, 126, 226) from said insertion needle (12, 112, 212) when the plunger (30, 130, 230) head is in the advanced position.

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11. (Currently Amended) The injector device of claim 1, said cannula ~~(26, 126, 226)~~ being soft and flexible.

12. (Currently Amended) The injector device of claim 1, wherein the drive comprises a spring ~~(36, 136, 236)~~ for moving the plunger ~~(30, 130, 230)~~ from the retracted position to the advanced position.

13. (Currently Amended) An injector device ~~(10,110, 210)~~ for transcutaneously placing a hollow cannula ~~(26, 126, 226)~~ of a subcutaneous infusion set ~~(14, 114, 214)~~ through the skin of a patient, comprising:

a device housing ~~(28, 128, 228)~~ having an elongated bore formed therein,

a plunger ~~(30, 130, 230)~~ slidably received within the bore for movement between an advanced position and a retracted position, the plunger ~~(30, 130, 230)~~ having substantially non-detachably secured thereto an insertion needle ~~(12, 112, 212)~~ for receiving and supporting the cannula ~~(26, 126, 226)~~ of said subcutaneous infusion set ~~(14, 114, 214)~~ in a position with the cannula ~~(26, 126, 226)~~ oriented for transcutaneous placement upon movement of the plunger ~~(30, 130, 230)~~ with said needle ~~(12, 112, 212)~~ from the retracted position to the advanced position, and

a drive comprising a spring ~~(36, 136, 236)~~ for urging the plunger (~~30, 130, 230~~) with a controlled force and speed from the retracted position toward the advanced position to transcutaneously place said cannula ~~(26, 126, 226)~~ of said subcutaneous infusion set ~~(14, 114, 214)~~ received on said insertion needle ~~(12, 112, 212)~~,

wherein the spring ~~(136)~~ comprises a number of individual, elongated flexible plastics strips extending around a respective part of the periphery of the plunger ~~(130)~~, in an annular space ~~(115)~~ between the plunger ~~(130)~~ and the device housing ~~(128)~~, each strip being connected with the plunger ~~(130)~~ and with the device housing ~~(128)~~; and

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wherein the insertion needle ~~(12, 112, 212)~~ secured to said plunger ~~(30, 130, 230)~~ is removable from said cannula ~~(26, 126, 226)~~ while maintaining the transcutaneous placement of the cannula ~~(26, 126, 226)~~.

14. (Currently Amended) The injector device of claim 13, wherein the strips are integrally molded with said plunger ~~(130)~~ and said device housing ~~(128)~~.

15. (Currently Amended) The injector device of claim 13, wherein each strip is connected at one end ~~(136')~~ with the plunger ~~(30, 130, 230)~~ and with the device housing (28, 128, 228) at the other end ~~(136")~~, each strip being essentially plane and non-deformed in the advanced position of the plunger ~~(30, 130, 230)~~.

16. (Currently Amended) The injector device of claim 1, further including a cover ~~(42, 142, 227)~~ at a forward end of the device housing ~~(28, 128, 228)~~ for covering an infusion set ~~(14, 114, 214)~~ received on said insertion needle ~~(12, 112, 212)~~ and for covering said insertion needle ~~(12, 112, 212)~~ subsequent to removal of said infusion set ~~(14, 114, 214)~~.

17. (Withdrawn) The injector device of claim 1, said device housing having a flat, box-shaped configuration.

18. (Currently Amended) An injector device assembly, comprising:

an infusion set ~~(14, 114, 214)~~ including a housing and a hollow cannula ~~(26, 126, 226)~~,

a device housing ~~(28, 128, 228)~~ having an elongated bore formed therein,

a plunger ~~(30, 130, 230)~~ slidably received within the bore for movement between an advanced position and a retracted position, the plunger ~~(30, 130, 230)~~ having an insertion needle substantially non-detachably secured thereto by a connection such that the insertion needle remains connected to the plunger when ~~removing the infusion set therefrom, an~~ said insertion needle ~~(12, 112, 212)~~ carrying said cannula ~~(26, 126, 226)~~ the plunger is in the retracted position

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with the cannula ~~(26, 126, 226)~~ oriented for transcutaneous placem nt upon movement of said plunger ~~(30, 130, 230)~~ from the retracted position to the advanced position,

a spring for urging said plunger ~~(30, 130, 230)~~ toward the advanced position, and

a trigger for releasably retaining the plunger ~~(30, 130, 230)~~ in the retracted position, the trigger being operable to release the plunger ~~(30, 130, 230)~~ for spring-loaded movement with a controlled force and speed toward the advanced position.

wherein the insertion needle ~~(12, 112, 212)~~ secured to said plunger ~~(30, 130, 230)~~ is removable from said cannula ~~(26, 126, 226)~~ while maintaining the transcutaneous placement of the cannula ~~(26, 126, 226)~~.

19. (Withdrawn) The injector device assembly of claim 18, wherein the plunger (30, 130, 230) further includes a safety retainer for retaining the hollow cannula (26, 126, 226) on said Insertion needle (12, 112, 212), the safety retainer permitting separation of the cannula (26, 126, 226) from said insertion needle (12, 112, 212) when the plunger (30, 130, 230) [head] is in the advanced position.

20. (Currently Amended) The injector device assembly of claim 18, wherein the device housing ~~(28, 128, 228)~~ has a forward end defining a generally planar surface of placement against the skin of a patient with the device housing ~~(28, 128, 228)~~ in a predetermined orientation relative to the patient's skin.

21. (Currently Amended) The Injector device assembly of claim 18, wherein the device housing ~~(28, 128, 228)~~ and the plunger ~~(30, 130, 230)~~ include cooperatively engageable track means for guiding movement of the plunger ~~(30, 130, 230)~~ between the advanced and retracted positions.

22. (Currently Amended) The injector device assembly of claim 18 wherein releasable cover members ~~(94, 194, 227, 42, 142)~~ cover at least one end of the device housing ~~(28, 128, 228)~~ for assuring sterile conditions prior to use of the injector device assembly.

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23. (Currently Amended) An injector device ass mbly, comprising:

an infusion set ~~(14, 114, 214)~~ including a housing and a hollow cannula ~~(26, 126, 226)~~,

a device housing ~~(28, 128, 228)~~ having an elongated bore formed therein,

a plunger ~~(30, 130, 230)~~ slidably received within the bore for movement between an advanced position and a retracted position, the plunger ~~(30, 130, 230)~~ having substantially non-detachably secured thereto an insertion needle ~~(12, 112, 212)~~ carrying said cannula ~~(26, 126, 226)~~ with the cannula ~~(26, 126, 226)~~ oriented for transcutaneous placement upon movement of said plunger ~~(30, 130, 230)~~ from the retracted position to the advanced position;

a spring for urging said plunger ~~(30, 130, 230)~~ toward the advanced position, the spring comprising a number of individual, elongated flexible plastics strips ~~(136)~~ extending around a respective part of the periphery of the plunger ~~(130)~~, in an annular space ~~(115)~~ between the plunger ~~(130)~~ and the device housing ~~(128)~~, each strip being connected with the plunger ~~(130)~~ and with the device housing ~~(128)~~; and

a trigger for releasably retaining the plunger ~~(30, 130, 230)~~ in the retracted position, the trigger being operable to release the plunger ~~(30, 130, 230)~~ for spring-loaded movement with a controlled force and speed toward the advanced position,

wherein the insertion needle ~~(12, 112, 212)~~ secured to said plunger ~~(30, 130, 230)~~ is removable from said cannula ~~(26, 126, 226)~~ while maintaining the transcutaneous placement of the cannula ~~(26, 126, 226)~~.

24. (Currently Amended) The injector device assembly of claim 23, wherein the strips ~~(136)~~ are integrally molded with said plunger ~~(130)~~ and said device housing ~~(128)~~.

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25. (Currently Amended) An injector device, comprising:

a molded device housing having an elongated bore formed therein,

a molded plunger slidably received within the bore for movement between an advanced position and a retracted position,

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a drive for urging the plunger with a controlled force and speed from the retracted position toward the advanced position,

wherein the drive comprises a number of individual, elongated flexible plastics members ~~(136)~~, each member being connected with the plunger and with the device housing.

26. (Currently Amended) The injector device of claim 25, wherein each of said elongated flexible plastics members is connected at one end ~~(136')~~ with the plunger and with the device housing at the other end ~~(136")~~, each member being essentially plane and non-deformed In the advanced position of the plunger.

27. (Currently Amended) The injector device of claim 25 wherein each member ~~(136)~~ Is formed as a strip, the device including at least two such strips, each strip extending around a respective part of the periphery of the plunger ~~(30, 130, 230)~~.

28. (Currently Amended) The injector device of claim 25, each of said members ~~(137)~~ extending in an annular space between the plunger ~~(30, 130, 230)~~ and the device housing ~~(28, 128, 228)~~.

29. (Original) The injector device of claim 25, used for transcutaneously placing an insertion needle of a subcutaneous infusion set through the skin of a patient, wherein the plunger includes a support structure for mated slide-fit reception and support of the infusion set in position with the insertion needle thereof oriented for transcutaneous placement upon movement of said plunger from the retracted position to the advanced position, wherein the support structure is removable from the infusion set while maintaining the transcutaneous placement of the Insertion needle.

30. (Original) The injector device of claim 25, used for transcutaneously placing a subcutaneous infusion set through the skin of a patient by means of an insertion needle, wherein said insertion needle is substantially non-detachably secured to said plunger,

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and wherein said insertion needle receives and supports the cannula of the infusion set in a position with the cannula oriented for transcutaneous placement upon movement of said plunger from the retracted position to the advanced position, wherein the insertion needle is removable from the infusion set while maintaining the transcutaneous placement of the cannula.

31. (Currently Amended) The injector device of claim 13, wherein the device housing ~~(28, 128, 228)~~ has a forward end defining a generally planar surface ~~(25, 125, 225)~~ for placement against the skin of a patient with the device housing ~~(28, 128, 228)~~ in a predetermined orientation relative to the patient's skin.

32. (Currently Amended) The injector device of claim 13, wherein a forward end ~~(12A, 112A, 212A)~~ of said insertion needle ~~(12, 112, 212)~~ opposite said plunger ~~(30, 130, 230)~~ is substantially retracted within the bore of the device housing ~~(28, 128, 228)~~ when the plunger ~~(30, 130, 230)~~ is in the retracted position.

33. (Currently Amended) The injector device of claim 32, wherein the infusion set ~~(14, 114, 214)~~ comprises a tubing ~~(113)~~, said injector device including an annular space ~~(115)~~ between said device housing ~~(28, 1128, 228)~~ and said plunger ~~(30, 130, 230)~~ for accommodating said tubing ~~(113)~~.

34. (Previously Presented) The injector device of claim 13, further including a trigger for actuating the drive.

35. (Currently Amended) The injector device of claim 34, wherein the trigger includes a trigger actuator for fingertip depression to actuate the drive for movement of the plunger ~~(30, 130, 230)~~ from the retracted position to the advanced position.

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36. (Currently Amended) The injector device of claim 34, wherein the trigger includes a lock ~~(58, 158, 258)~~ for releasably locking the plunger ~~(30, 130, 230)~~ in the retracted position.

37. (Withdrawn) The injector device of claim 13, wherein the device housing (28, 128, 228) and the plunger (30, 130, 230) include cooperatively engageable track means for guiding movement of the plunger (30, 130, 230) between the advanced and retracted positions.

38. (Currently Amended) The injector device of claim 13, wherein the insertion needle ~~(12, 112, 212)~~ is substantially incapable of delivering a fluid.

39. (Withdrawn) The injector device of claim 13, said plunger (30, 130, 230) having a head (32, 132, 232) with a safety retainer for retaining the hollow cannula (26, 126, 226) on said insertion needle (12, 112, 212), the safety retainer permitting separation of the cannula (26, 126, 226) from said insertion needle (12, 112, 212) when the plunger (30, 130, 230) head is in the advanced position.

40. (Currently Amended) The injector device of claim 13, said cannula ~~(26, 126, 226)~~ being soft and flexible.

41. (Currently Amended) The injector device of claim 1, further including a cover ~~(42, 142, 227)~~ at a forward end of the device housing ~~(28, 128, 228)~~ for covering an infusion set ~~(14, 114, 214)~~ received on said insertion needle ~~(12, 112, 212)~~ and for covering said insertion needle ~~(12, 112, 212)~~ subsequent to removal of said infusion set ~~(14, 114, 214)~~.

42. (Withdrawn) The injector device assembly of claim 23, wherein the plunger (30, 130, 230) further includes a safety retainer for retaining the hollow cannula (26, 126, 226) on said insertion needle (12, 112, 212), the safety retainer permitting separation of

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the cannula (26, 126, 226) from said insertion needle (12, 112, 212) when the plunger (30, 130, 230) is in the advanced position.

43. (Currently Amended) The injector device assembly of claim 23, wherein the device housing ~~(28, 128, 228)~~ has a forward end defining a generally planar surface of placement against the skin of a patient with the device housing ~~(28, 128, 228)~~ in a predetermined orientation relative to the patient's skin.

~~43~~ 44. (Withdrawn) The injector device assembly of claim 23, wherein the device housing (28, 128, 228) and the plunger (30, 130, 230) include cooperatively engageable track means for guiding movement of the plunger (30, 130, 230) between the advanced and retracted positions.

[[~~44~~]] 45. (Currently Amended) The injector device assembly of claim 23 wherein releasable cover members ~~(94, 194, 227, 42, 142)~~ cover at least one end of the device housing ~~(28, 128, 228)~~ for assuring sterile conditions prior to use of the injector device assembly.

~~45~~ 46. (Currently Amended) The Injector device assembly of claim 25 wherein each of said members is integrally molded with said plunger and said housing device.

47. (New with amended language underlined for discussion purposes) An injector device for transcutaneously placing a hollow cannula of a subcutaneous infusion set through the skin of a patient, comprising:

a device housing having an elongated bore formed therein;

a plunger slidably received within the bore for movement between an advanced position and a retracted position, the plunger having substantially non-detachably secured thereto an insertion needle for receiving and supporting the cannula of said subcutaneous infusion set In a position with the cannula oriented for transcutaneous

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placement upon movement of the plunger with said needle from the retracted position to the advanced position,

a drive for urging the plunger with a controlled force and speed from the retracted position toward the advanced position to transcutaneously place said cannula of said subcutaneous Infusion set received on said insertion needle,

wherein the insertion needle is substantially non-detachably secured to said plunger in said advanced position and said insertion needle is removable from said cannula while maintaining the transcutaneous placement of the cannula.

48. (New with amended language underlined for discussion purposes) An injector device assembly, comprising:

an infusion set including a housing and a hollow cannula'

a device housing having an elongated bore formed therein,

a plunger slidably received within the bore for movement between an advanced position and a retracted position, the plunger having substantially non-detachably secured thereto an insertion needle carrying said cannula with the cannula oriented for transcutaneous placement upon movement of said plunger from the retracted position to the advanced position,

a spring for urging said plunger toward the advanced position, and

a trigger for releasably retaining the plunger in the retracted position, the trigger being operable to release the plunger for spring-loaded movement with a controlled force and speed toward the advanced position.

wherein the insertion needle is substantially non-detachably secured to said plunger in said advanced position and said insertion needle is removable from said cannula while maintaining the transcutaneous placement of the cannula.